Series 804 Push-Pull Mighty Mouse Receptacle Connector

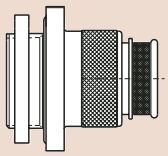
804-003 and 804-004 Ordering Information

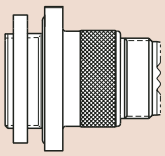
Front Panel Mount Jam-Nut

Series 804 Receptacl Connectors feature integral band platform for direct attachment of cable shield. Install a boot, or overmold directly onto the band platform. Or, choose an accessory thread for attaching strain reliefs and backshells. Three shell styles available including front or rear panel mount jam-nut connectors and in-line receptacles for free-hanging cables. O-rings inside the receptacle provide a dynamic, water tight seal when mated. Gold-plated spring provides secure mechanical retention and low shell-to-shell resistance for excellent EMI shielding. Crimp removable contacts are copper alloy and gold plated.

How To Order						
Sample Part Number	**804-003**	**-01**	**M**	**7-10**	**P**	
Series (See Table I)	**804-003** = Receptacle with Banding Platform **804-004** = Receptacle with Accessory Thread					
Shell Style (See Table II)	**-00** = Front Panel Mount Jam-Nut **-01** = In-Line **-07** = Rear Panel Mount Jam-Nut					
Shell Material and Finish	**C** = Aluminum / Black Anodize (Non-Conductive); RoHS Compliant **M** = Aluminum / Electroless Nickel; RoHS Compliant **MT** = Aluminum / Nickel-PTFE RoHS Compliant **NF** = Aluminum / Cadmium with Olive Drab Chromate **ZNU** = Aluminum / Zinc-Nickel with Black Chromate **Z1** = Stainless Steel / Passivated; RoHS Compliant					
Shell Size - Insert Arrangement	See Contact Arrangements Page G-2					
Contact Type	**Connector supplied without contacts**: **A** = Pin, Crimp; **B** = Socket, Crimp **Connector supplied Crimp contacts**: **P** = Pin Connector; **S** = Socket Connector **Connector Supplied with 30 AWG Crimp Barrel**: **G** = Pin, Crimp; **H** = Socket, Crimp Contacts are not installed in connectors supplied with signal and/or power crimp contacts. Coaxial contacts and non-standard signal contacts are ordered separately.					
Polarization (See Table III)	**Omit** = Single Master Key **A** = Normal **B** = Pos. B **C** = Pos. C **D** = Pos. D **E** = Pos. E **F** = Pos. F					

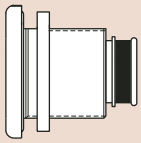
Table I: Series

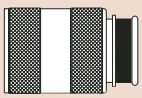


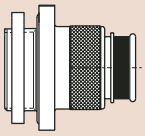


804-003	804-004
Receptacle with Banding Platform	Receptacle with Accessory Thread

Table II: Shell Style

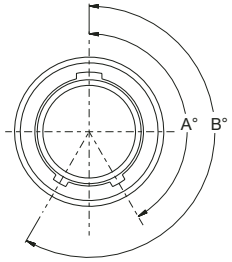






-00	-01	-07
Jam-Nut for Front Panel Mounting	In-Line for Free-Hanging Cable	Jam-Nut for Rear Panel Mounting

Table III: Keyway Positions



Pos.	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

NOTES

1. Contacts are crimp type, and used in a rear release retention system
2. Receptacle connector mates with all push/pull high density plug connectors with same polarization and opposite contact gender
3. Grommet protrudes for power/combo arrangements

Dimensions in Inches (millimeters) are subject to change without notice.

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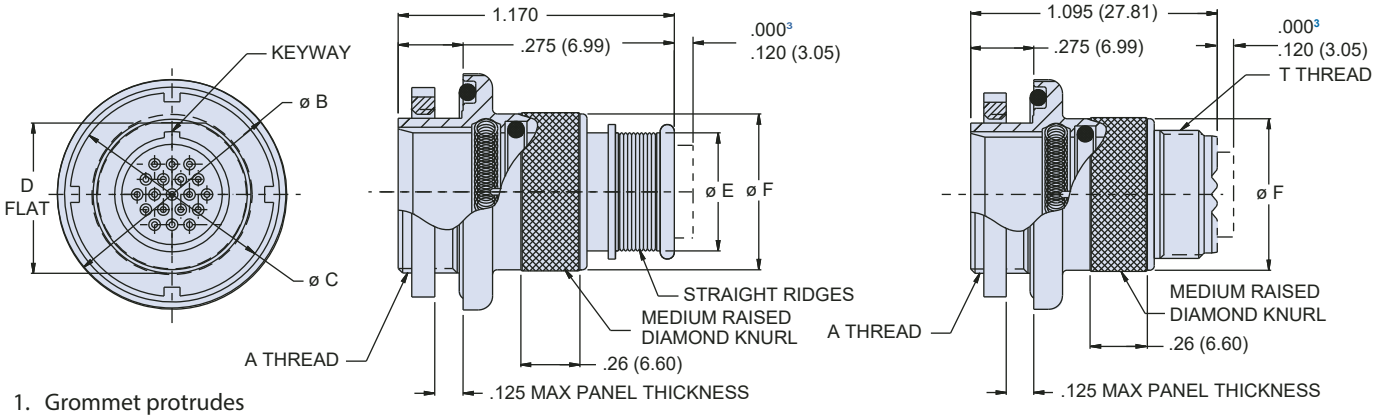
Series 804 Push-Pull Mighty Mouse Receptacle Connector

804-004-07 and 804-003-07 Dimensions

Jam-nut, rear panel mount receptacle - shell style 07



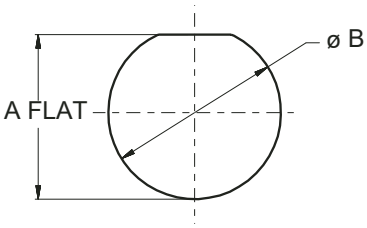
1. Grommet protrudes for power/combo arrangements

Integral Band Platform
804-003-07

Accessory Thread
804-004-07

Dimensions							
Shell Size	A Thread	Ø B	Ø C	D Flat	Ø E	Ø F	T Threads
5	.4375-32 UN-2A	.790 (20.07)	.562 (14.27)	.415 (10.54)	.246 (6.25)	.450 (11.43)	.2500-32 UNEF-2A
6	.5000-32 UN-2A	.830 (21.08)	.625 (15.88)	.467 (11.86)	.286 (7.26)	.480 (12.19)	.3125-32 UNEF-2A
7	.6250-28 UN-2A	.900 (22.86)	.750 (19.05)	.594 (15.09)	.390 (9.91)	.580 (14.73)	.4375-28 UNEF-2A
8	.6250-28 UN-2A	.900 (22.86)	.750 (19.05)	.594 (15.09)	.442 (11.23)	.603 (15.32)	.5000-28 UNEF-2A
9	.6875-28 UN-2A	1.000 (25.40)	.812 (20.62)	.655 (16.64)	.500 (12.70)	.695 (17.65)	.5625-24 UNEF-2A
10	.7500-28 UN-2A	1.085 (27.56)	.875 (22.23)	.721 (18.31)	.564 (14.33)	.735 (18.67)	.6250-24 UNEF-2A
11	.8125-28 UN-2A	1.135 (28.83)	.938 (23.83)	.788 (20.02)	.608 (15.44)	.810 (20.57)	.6875-24 UNEF-2A
12	.8750-28 UN-2A	1.180 (29.97)	1.000 (25.40)	.843 (21.41)	.650 (16.51)	.880 (22.35)	.6875-24 UNEF-2A
14	1.0000-28 UN-2A	1.325 (33.65)	1.125 (28.58)	.968 (24.59)	.805 (20.45)	1.010 (25.65)	.9375-20 UNEF-2A

Jam-Nut Rear Panel Mount Cutout Dimensions



Shell Size	A Flat	Ø B
5	.425 (10.80) .421 (10.69)	.448 (11.38) .443 (11.25)
6	.477 (12.12) .473 (12.01)	.510 (12.95) .505 (12.83)
7	.590 (14.99) .586 (14.88)	.635 (16.13) .630 (16.00)
8	.604 (15.34) .600 (15.24)	.635 (16.13) .630 (16.00)
9	.665 (16.89) .661 (16.79)	.698 (17.73) .693 (17.60)
10	.731 (18.57) .727 (18.47)	.760 (19.30) .755 (19.18)
11	.800 (20.32) .796 (20.22)	.823 (20.90) .880 (22.35)
12	.853 (21.67) .849 (21.56)	.885 (22.48) .880 (22.35)
14	.978 (24.84) .974 (24.74)	1.010 (25.65) 1.005 (25.53)

Material and Finish

- Shell, jam-nut: aluminum alloy or CRES / see how to order table
- Insulator: LCP
- Interfacial seal, O-ring, grommet: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Spring: CRES / gold plated

Dimensions in Inches (millimeters) are subject to change without notice.

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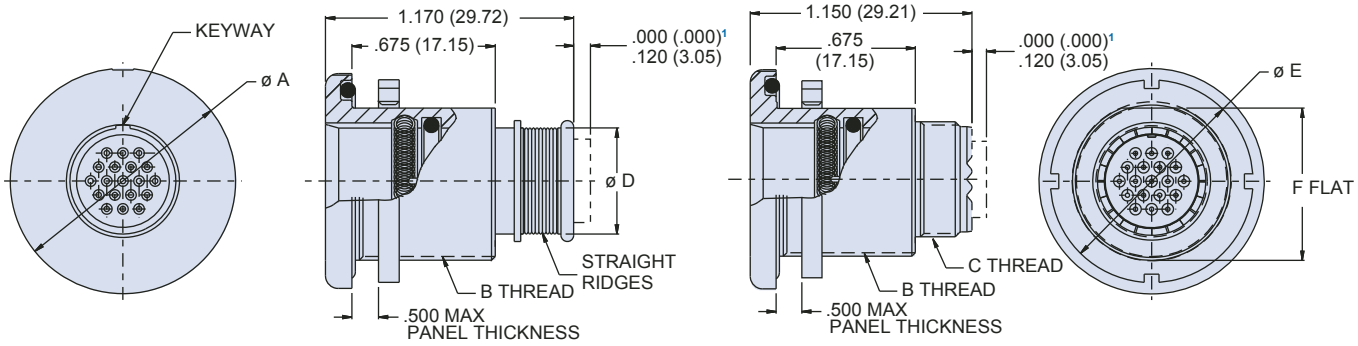
Jam-nut, front panel mount receptacle - shell style 00



Integral Band Platform
804-003-00

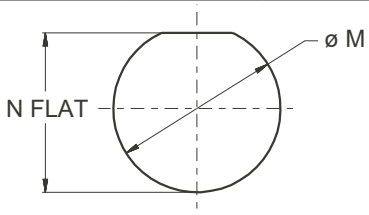
Accessory Thread
804-004-00

Dimensions						
Shell Size	Ø A	B Threads	C Threads	Ø D	Ø E	F Flat
5	.830 (21.08)	.5000-32 UN-2A	.2500-32 UNEF-2A	.246 (6.25)	.625 (15.88)	.470 (11.94)
6	.885 (22.48)	.5625-32 UN-2A	.3125-32 UNEF-2A	.286 (7.26)	.688 (17.48)	.530 (13.46)
7	.995 (25.27)	.6875-28 UN-2A	.4375-28 UNEF-2A	.390 (9.91)	.812 (20.62)	.663 (16.84)
8	.995 (25.27)	.6875-28 UN-2A	.5000-28 UNEF-2A	.442 (11.23)	.812 (20.62)	.663 (16.84)
9	1.075 (27.30)	.7500-28 UN-2A	.5625-24 UNEF-2A	.500 (12.70)	.875 (22.23)	.720 (18.29)
10	1.140 (28.96)	.8125-28 UN-2A	.6250-24 UNEF-2A	.564 (14.33)	.938 (23.83)	.788 (20.02)
11	1.190 (30.23)	.8750-28 UN-2A	.6875-24 UNEF-2A	.608 (15.44)	1.000 (25.40)	.843 (21.41)
12	1.340 (34.04)	1.0000-28 UN-2A	.6875-24 UNEF-2A	.650 (16.51)	1.125 (28.58)	.970 (24.64)
14	1.390 (35.31)	1.0620-20 UN-2A	.9375-20 UNEF-2A	.805 (20.45)	1.162 (29.51)	1.020 (25.91)

Material and Finish

- Shell: aluminum alloy or CRES / see how to order table
- Insulator: LCP
- Interfacial seal, O-ring, grommet: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Spring: CRES / gold plated

Jam-Nut Front Panel Mount Cutout Dimensions



Shell Size	N Flat	Ø M
5	.482 (12.24) .478 (12.14)	.510 (12.95)
6	.542 (13.77) .538 (13.67)	.575 (14.60)
7	.676 (17.17) .671 (17.04)	.698 (17.73)
8	.676 (17.17) .671 (17.04)	.698 (17.73)
9	.732 (18.59) .728 (18.49)	.760 (19.30)
10	.801 (20.35) .796 (20.22)	.822 (20.88)
11	.855 (21.72) .851 (21.62)	.885 (22.48)
12	.982 (24.94) .978 (24.84)	1.010 (25.65)
14	1.032 (26.21) 1.028 (26.11)	1.075 (27.30)

G

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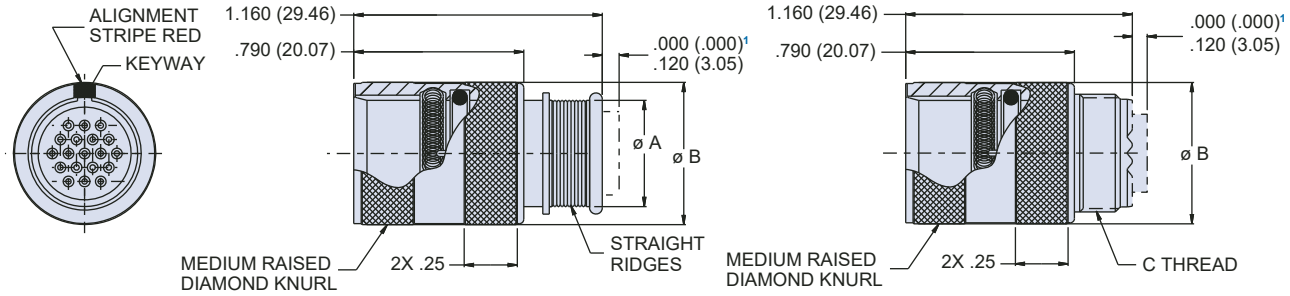
Series 804 Push-Pull Mighty Mouse Receptacle Connector

804-004-01 and 804-003-01 Dimensions

Cable receptacle - shell style 01



Integral Band Platform
804-003-01

Accessory Thread
804-004-01

Dimensions			
Shell Size	Ø A	Ø B	C Threads
5	.246 (6.25)	.450 (11.43)	.2500-32 UNEF-2A
6	.286 (7.26)	.480 (12.19)	.3125-32 UNEF-2A
7	.390 (9.91)	.580 (14.73)	.4375-28 UNEF-2A
8	.442 (11.23)	.603 (15.32)	.5000-28 UNEF-2A
9	.500 (12.70)	.695 (17.65)	.5625-24 UNEF-2A
10	.564 (14.33)	.735 (18.67)	.6250-24 UNEF-2A
11	.608 (15.44)	.810 (20.57)	.6875-24 UNEF-2A
12	.650 (16.51)	.880 (22.35)	.6875-24 UNEF-2A
14	.805 (20.45)	1.010 (25.65)	.9375-20 UNEF-2A

Material and Finish

- Shell: aluminum alloy or CRES / see how to order table
- Insulator: LCP
- Interfacial seal, O-ring, grommet: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Spring: CRES / gold plated

Dimensions in Inches (millimeters) are subject to change without notice.

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